

IN THE CLAIMS:

Please cancel claims 1-44.

Please add the following new claims:

*Suit
BY*
- 45. (New) A method of forwarding electronic mail messages from a messaging server to a plurality of wireless mobile devices, comprising the steps of:

receiving the electronic mail messages at the messaging server and storing the electronic mail messages in a message store having a plurality of mailboxes, wherein each of the plurality of wireless mobile devices is associated with at least one of the plurality of mailboxes;

monitoring the plurality of mailboxes using a software program that detects the received messages using a Messaging Application Programming Interface (MAPI);

encrypting the detected electronic mail messages;

addressing each of the encrypted electronic mail messages using an Internet address associated with a gateway computer system that couples the Internet to a wireless network and a wireless network address associated with one of the plurality of wireless mobile devices;

transmitting the encrypted electronic mail messages to the gateway computer system via an Internet connection;

receiving the encrypted electronic mail messages at the gateway computer system and routing the encrypted electronic mail messages from the gateway computer system to the wireless network; and

transmitting the encrypted electronic mail messages from the wireless network to the plurality of wireless mobile devices, wherein each wireless mobile device receives and decrypts the encrypted electronic mail messages that are addressed using the wireless network address associated with the particular wireless mobile device. -

-- 46. (New) The method of claim 45, further comprising the steps of:

compressing the detected electronic mail messages prior to transmission to the gateway computer system; and

decompressing the decrypted electronic mail messages after receipt at the wireless mobile device. --

-- 47. (New) The method of claim 45, further comprising the step of:

providing a plurality of user profiles for each of the wireless mobile devices, the user profiles including the wireless network address associated with the wireless mobile devices and a filter list for blocking certain electronic mail messages from being forwarded to the wireless mobile device. --

-- 48. (New) The method of claim 47, further comprising the step of:

transmitting a command message from at least one of the wireless mobile device to the software program via the wireless network, the gateway, and the Internet, wherein the command message adds an electronic mail sender to the filter list so that messages from the electronic mail sender are blocked from being forwarded to the at least one wireless mobile device. --

-- 49. (New) The method of claim 45, wherein at least one of the electronic mail messages includes an attachment, further comprising the step of:

determining whether the attachment is of the type that can be received and displayed by a particular wireless mobile device, and if so, then encrypting the attachment and transmitting the encrypted attachment from the software program to the wireless mobile device via the Internet, the gateway, and the wireless network, wherein the wireless mobile device then receives and decrypts the encrypted attachment. --

-- 50. (New) The method of claim 47, further comprising the steps of:

storing an encryption key for each of the wireless mobile devices in the user profiles; and

using the encryption key for each of the wireless mobile devices to encrypt the detected electronic mail messages. --

-- 51. (New) The method of claim 45, further comprising the steps of:

generating electronic mail messages at the wireless mobile devices;

encrypting the electronic mail messages;

transmitting the encrypted electronic mail messages from the wireless mobile devices to the gateway computer system and from the gateway computer system to the software program via the Internet connection;

receiving the encrypted electronic mail messages at the software program and decrypting the encrypted electronic mail messages;

storing the electronic mail messages in the mailboxes associated with the wireless mobile devices; and

transmitting the electronic mail messages from the mailboxes to a plurality of message recipients, wherein the electronic mail messages are addressed as originating from an electronic mail addresses associated with the mailboxes. --

-- 52. (New) The method of claim 45, further comprising the steps of:

providing a plurality of desktop computer systems in communication with the messaging server and the software program; and

controlling the operation and configuration of the software program using one of the plurality of desktop computer system. --

Sub B2
-- 53. (New) The method of claim 52, further comprising the step of:

each of the plurality of desktop computer systems controlling whether the software program is enabled to monitor, encrypt, address and transmit electronic mail message to a particular wireless mobile device. --

-- 54. (New) The method of claim 45, wherein the wireless mobile devices are pagers. --

-- 55. (New) The method of claim 45, wherein the wireless mobile devices are configured to receive data messages and voice signals. --

– 56. (New) The method of claim 45, wherein the Messaging Application Programming Interface is associated with the messaging server. –

Sub B3 → 57. (New) The method of claim 45, further comprising the steps of:

storing calendar data at the message store for each of the plurality of wireless mobile devices;

using the software program to detect a change in the calendar data at the message store; and

if the software program detects a change in the calendar data at the message store, then encrypting, addressing and transmitting the change in the calendar data to at least one of the wireless mobile devices via the gateway computer system and the Internet. –

57 → 58. (New) The method of claim 57, further comprising the steps of:

decrypting the change in the calendar data at the wireless mobile device; and

updating a calendar database at the wireless mobile device. –

58 → 59. (New) The method of claim 58, further comprising the steps of:

modifying the calendar database at the wireless mobile device;

detecting a change in the calendar database at the wireless mobile device; and

encrypting, addressing and transmitting the change in the calendar database to the software program via the gateway computer system and the Internet and updating the calendar data stored in the message store for the particular wireless mobile device.

Sub B4 → 60. (New) The method of claim 45, further comprising the steps of:

transmitting only a first portion of a received electronic mail message to one of the wireless mobile devices;

receiving the first portion at the wireless mobile device;

transmitting a command message from the wireless mobile device to the software program to forward a second portion of the received electronic mail message to the wireless mobile device; and

in response to the command message, the software program encrypting, addressing and transmitting the second portion of the received electronic mail message to the wireless mobile device. --

— 61. (New) A method of two-way mirroring of data items between a messaging server and a plurality of wireless mobile devices, comprising the steps of:

receiving a first plurality of data items at the messaging server and storing the first plurality of data items in a message store having a plurality of user accounts, wherein each of the plurality of wireless mobile devices is associated with at least one of the plurality of user accounts, and wherein the first plurality of data items include electronic mail messages, meeting requests, calendar events and address book entries;

monitoring the plurality of user accounts using a redirector program, which detects the received first plurality of data items using a Messaging Application Programming Interface (MAPI) associated with the messaging server;

encrypting the detected data items;

addressing the encrypted data items using an Internet address associated with a gateway computer system that couples the Internet to a wireless network and with a plurality of wireless network addresses associated with the plurality of wireless mobile devices;

transmitting the encrypted data items from the redirector program to the gateway computer system via an Internet connection;

receiving the encrypted data items at the gateway computer system and routing the encrypted data items from the gateway computer system to the wireless network;

transmitting the encrypted data items from the wireless network to the plurality of wireless mobile devices, wherein each wireless mobile device receives and decrypts the encrypted data items that are addressed using the wireless network address associated with the particular wireless mobile device;

generating and storing a second plurality of data items at the wireless mobile devices, wherein the second plurality of data items include electronic mail messages, meeting requests, calendar events, and address book entries;

encrypting the second plurality of data items; and

Due transmitting the copies of the second plurality of data items from the plurality of wireless mobile devices to the redirector program via the wireless network, the gateway, and the Internet, and storing the second plurality of data items in the plurality of user accounts. —
